

ABSTRACT

The invention relates to a circuit for producing potentially separated synchronization (sync) impulses from an alternating voltage network. In a voltage divider (R1, R2) for the switch input of a semiconductor switch (T1) which is applied to a rectified network voltage by means of a half-wave rectifier (D1), the emitter diode (DO) of an optical fiber coupler (OKO) is switched to the working circuit of the switch (T1), which is serially connected with said emitter diode (DO), and comprises a preresistor (R3) making it possible to periodically charge a storage capacitor (C2) which is dischargeable by the emitter diode (DO). At least one transistor (T2, T3) is connected downstream of the receiving element (EO) of the optical fiber coupler (OKO) which is powered by a voltage source (U_B) galvanically separated from the network and whose substantially rectangular synchronization impulses (sync) are provided in the working circuit.

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Fig.